| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|----------|-------|---|---|---------------------|---------|------------------|
| L14 | 2993 | 347/68-72.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/11/12 13:28 |
| L15 | 5 | (piezoelectric with composition) with hafnium . | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/11/12 13:29 |
| L16 | 1 | 14 and 15 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/11/12 13:29 |
| L17 | 31 | (piezoelectric with composition) same hafnium | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/11/12 13:29 |
| L18 | 1 | 14 and 17 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/11/12 13:29 |
| L19 | 43 | (piezoelectric same composition) same hafnium | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/11/12 13:30 |
| L20 | 1 | 14 and 19 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/11/12 13:29 |
| L21 | 63958 | "347"/\$.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/11/12 13:29 |
| L22 | 1 | 19 and 21 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/11/12 13:29 |
| L23 | 5863 | composition same hafnium | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/11/12 13:30 |

| | | 100000000000000000000000000000000000000 | | | T | |
|-----|------------|---|---|------|------|------------------|
| L24 | 1 | 14 and 23 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/11/12 13:30 |
| L25 | 27 | piezoelectric with hafnium | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/11/12 13:32 |
| L26 | 1 | 21 and 25 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/11/12 13:30 |
| L27 | 19 | 25 and composition | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/11/12 13:32 |
| L28 | 138 | hafnium with (ink jet ink\$3jet (ink with jet) bubble\$3jet (bubble with jet)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/11/12 13:33 |
| L29 | 4 5 | 28 and composition | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/11/12 13:33 |
| L30 | 414 | 21 and hafnium | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/11/12 13:53 |
| L31 | 10 | 30 and pzt | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON . | 2005/11/12 13:40 |
| L32 | 6 | 14 and hafnium | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR . | ON | 2005/11/12 13:57 |
| L33 | 348 | 30 not silverbrook | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR . | ON | 2005/11/12 13:54 |
| L34 | 2290 | (peizoelectric pzt (lead zirconate titinate)) with hafnium | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/12 13:55 |

| | , | | | , | | |
|-----------|------|---|---|----|----|------------------|
| L35 | 279 | 34 and print\$3 | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/12 13:56 |
| L36 | 15 | 34 and inkjet | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/12 13:56 |
| L37 | 37 | 14 and (hafnium hf) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/11/12 13:57 |
| L38 | 9 | (US-20020080213-\$ or US-20030098632-\$ or US-20040125176-\$).did. or (US-5751313-\$ or US-6109738-\$ or US-6688731-\$).did. or (US-3472776-\$).did. or (JP-2002166544-\$ or JP-2004006722-\$).did. | US-PGPUB; USPAT; USOCR; DERWENT | OR | ON | 2005/11/12 14:02 |
| L39 | 8 | 38 and electrode | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/11/12 14:02 |
| L40 | 1 | jp-60236404-\$.did. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/11/12 14:25 |
| L41 | 1 | 1986-011358.NRAN. | DERWENT | OR | ON | 2005/11/12 14:25 |
| S1 | 12 | ("6382775" "6331259" "6277294" "6391527" "6436301" "6474780").pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/05/03 10:04 |
| S2 | 6 | ("6382775" "6331259" "6277294" "6391527" "6436301" "6474780").pn. | USPAT | OR | ON | 2005/05/03 13:00 |
| 53 | 2690 | 29/25.35.ccis. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/05/03 10:33 |
| S4 | 25 | (dry\$3 with sinter\$3 with coat\$3) same piezoelectric | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/05/03 10:34 |
| S5 | | S3 and S4 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/05/03 10:36 |
| S6 | 2869 | 347/68-72.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/05/03 10:36 |

| S7 | 5 | S4 and S6 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/05/03 10:36 |
|-------------|--------|---|---|------|----|------------------|
| S8 | 430 | 310/358.ccls. | USPAT | OR | ON | 2005/05/03 13:01 |
| S9 | 25 | (dry\$3 with sinter\$3 with coat\$3) same piezoelectric | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/05/03 13:01 |
| S10 | 2 | S8 and S9 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/05/03 13:02 |
| S1 1 | 8 | ("4820586" "5116643" "5271956" "5391393" "5453294" "5500988" "5683614" "5873154").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/05/03 13:02 |
| S12 | 6 | ("4752788" "5491500" "5510819" "5530465" "5896149" "5929881").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/05/03 13:05 |
| S13 | 16 | hafnium with piezoelectric | US-PGPUB; USPAT; USOCR | OR | ON | 2005/05/03 13:05 |
| S14 | 83 | hafnium same piezoelectric | US-PGPUB; USPAT; USOCR | OR | ON | 2005/05/03 13:06 |
| S15 | 2869 | 347/68-72.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/05/03 13:05 |
| S16 | 2690 | 29/25.35.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/05/03 13:06 |
| S17 | 1 | S15 and S14 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR . | ON | 2005/05/03 13:06 |
| S18 | 61272 | "347"/\$.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/05/03 13:06 |
| S19 | 100512 | hafnium hf | US-PGPUB; USPAT; USOCR | OR | ON | 2005/05/03 13:08 |
| S20 | 0 | S18 same S19 | US-PGPUB; USPAT; USOCR | OR | ON | 2005/05/03 13:07 |
| S21 | 777 | S18 and S19 | US-PGPUB; USPAT; USOCR | OR | ON | 2005/05/03 13:07 |

| S22 | 292 | S21 and (piezoelectric pzt) | US-PGPUB; USPAT; | OR | ON | 2005/05/03 13:23 |
|-----|--------|---|------------------------------|------|----|------------------|
| 633 | 100513 | ha fair 111161 | USOCR | O.D. | ON | 2005/05/03 13:08 |
| S23 | 100512 | hafnium "Hf" | US-PGPUB; USPAT; USOCR | OR | ON | 2003/03/03 13:08 |
| S24 | 25759 | hafnium | US-PGPUB; USPAT; USOCR | OR | ON | 2005/05/03 13:24 |
| S25 | 392 | S18 and S24 | US-PGPUB; USPAT; USOCR | OR | ON | 2005/05/03 13:24 |
| S26 | 227 | S25 and (peizoelectric pzt (lead zirconate titinate)) | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/12 13:55 |
| S27 | 9 | S25 and (peizoelectric pzt (lead adj zirconate adj titinate)) | US-PGPUB; USPAT; USOCR | OR | ON | 2005/05/03 13:27 |
| S28 | 9 | S25 and (peizoelectric pzt (lead near8 zirconate near8 titinate)) | US-PGPUB; USPAT; USOCR | OR | ON | 2005/05/03 13:28 |
| S29 | 9 | S25 and (peizoelectric pzt (lead same zirconate same titinate)) | US-PGPUB; USPAT; USOCR | OR | ON | 2005/05/03 13:28 |
| 530 | 9 | S25 and (peizoelectric pzt (zirconate same titinate)) | US-PGPUB; USPAT; USOCR | OR | ON | 2005/05/03 13:29 |
| 531 | 579 | hafnium and (peizoelectric pzt (zirconate same titinate)) | US-PGPUB; USPAT; USOCR | OR | ON | 2005/05/03 13:31 |
| S32 | 30793 | inkjet ink\$3jet bubblejet bubble\$3jet | US-PGPUB; USPAT; USOCR | OR | ON | 2005/05/03 13:29 |
| 533 | 10 | S31 and S32 | US-PGPUB; USPAT; USOCR | OR | ON | 2005/05/03 13:30 |
| S34 | 231 | hafnium with ((part adj per adj million) ppm) | US-PGPUB; USPAT; USOCR | OR | ON | 2005/05/03 13:32 |
| S35 | 2 | (S8 S16 S18) and S34 | US-PGPUB; USPAT; USOCR | OR | ÓΝ | 2005/05/03 13:33 |
| S36 | 2901 | S24 and print\$3 | US-PGPUB; USPAT; USOCR | OR | ON | 2005/05/03 13:36 |
| S37 | 3657 | S24 and (record\$3) | US-PGPUB; USPAT; USOCR | OR | ON | 2005/05/03 13:37 |
| S38 | 21715 | S24 and (remov\$3 dissolv\$3 dop\$3) | US-PGPUB; USPAT; USOCR | OR | ON | 2005/05/03 13:38 |
| S39 | 355 | S18 and S38 | US-PGPUB; USPAT; USOCR | OR | ON | 2005/05/03 13:37 |
| S40 | 1282 | hafnium with (remov\$3 dissolv\$3 dop\$3) | US-PGPUB; USPAT; USOCR | OR | ON | 2005/05/03 13:38 |
| S41 | 18 | S18 and S40 | US-PGPUB; USPAT; USOCR | OR | ON | 2005/05/03 13:38 |

| S42 | 6 | ("3956569" "4725862" "4947184" "5141822" "5144340" "5175027").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/05/03 13:40 |
|-----|------|--|---|------|----|------------------|
| S43 | 6 | ("3956569" "4725862" "4947184" "5141822" "5144340" "5175027").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/05/03 14:02 |
| S44 | 2 | (seiko epson) with hafnium | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/05/03 14:07 |
| S45 | 352 | (seiko epson) and hafnium | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/05/03 14:11 |
| S46 | 30 | S45 and ink\$2jet | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR - | ON | 2005/05/03 14:07 |
| S47 | 48 | (brother) and hafnium | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/05/03 14:12 |
| S48 | . 48 | (brother kogoyo) and hafnium | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/05/03 14:13 |
| 549 | 865 | (brother kogyo) and hafnium | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/05/03 14:13 |
| S50 | 29 | S49 and ink\$3jet | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/05/03 14:13 |
| S51 | 2 | (hafnium with (piezoelectric ferroelectric)) same ppm | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/11/10 16:57 |
| S52 | 2 | (hafnium with (piezoelectric ferroelectric)) same (ppm (part with million)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/11/10 16:58 |

| S53 | 5 | (hafnium same (piezoelectric ferroelectric)) same (ppm (part | US-PGPUB; | OR | ON | 2005/11/10 16:58 |
|-----|---|--|-----------|----|----|------------------|
| | | with million)) | USPAT; | | | |
| | | | USOCR; | | | 4 |
| | | | EPO; JPO; | | | |
| | | | DERWENT; | | | |
| | | | IBM_TDB | | | |